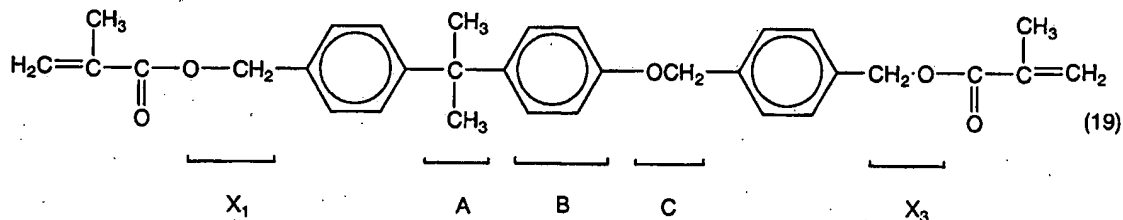


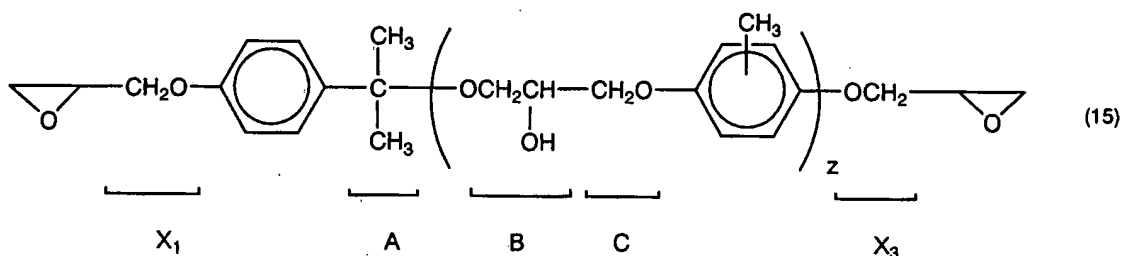
REMARKS

This Amendment is responsive to the Office Action dated March 7, 2005. At the time of its most recent examination, Claims 15-17, 19 and 21-27 were pending in the application. All of the claims stand rejected under 35 U.S.C. §112, first paragraph, with all of the claims being rejected for failing to satisfy the written description requirement and Claims 16, 19 and 23-26 also being rejected for failing to satisfy the enablement requirement. Additionally, an objection is lodged to Claims 23-26 for being of an improper dependent form. By way of this Amendment, Applicants have cancelled Claims 16, 19 and 23-26, thereby mooted the rejection relating to the enablement requirement and the objection relating to the dependent form of the claims. Additionally, this Amendment introduces amendments to Claims 15, 21, 22 and 27, and adds new Claims 28 - 30. Accordingly, Claims 15, 17, 21, 22 and 27 - 30 are currently pending and, as set forth below, satisfy the written description requirement so as to overcome the corresponding rejection. Based upon the foregoing amendments and the following remarks, Applicants respectfully request reconsideration of the present application and allowance of the pending claims.

Relative to the rejection of Claims 15, 17, 21 - 23, 25 and 27 for failing to comply with the written description requirement, the Official Action contends that formula 5 that appears in Claims 15, 23 and 25 introduces new matter. Although Claims 23 and 25 have been canceled, Claim 15 has now been amended to delete formula 5 and to introduce, instead, formula 5a which is a generic representation of formula 19 set forth, for example, in Claims 22 and 27. As a result of its more generic representation of formula 19, formula 5a as set forth by Claim 15 and, by dependency, by Claim 17 complies with the written description requirement as a result of the disclosure of formula 19 as shown below. In this regard, elements X_1 , A, B, C and X_3 that are included in formula 5a and defined by Claim 15 (and, by dependency, Claim 17) are supported by respective elements of formula 19 as shown below. Additionally, the element Y of the formula 5a is defined as an acrylic or methacrylic group that is shown as the end groups of formula 19.



Additionally, Claim 21 has been amended to set forth formula 5b which appears identical to formula 5, but for which the various elements are defined differently and in a manner consistent with the specification. In this regard, formula 5b is a generic representation of formula 15 and, as such, elements X₁, A, B, C and X₃ are supported by respective elements of formula 15 as shown below. Additionally, element Y of formula 5b is defined as a polymerization activating group containing an epoxy group that is shown as the end groups of formula 15.



As now amended, independent Claim 22 is directed to a photosensitive composition containing the oligomer of formula 19 and Claim 27 is directed to a method of forming a polymer optical waveguide pattern using the oligomer of formula 19. As the photosensitive composition and the associated method of Claims 22 and 27, respectively and, in particular, the oligomer of formula 19 are disclosed by the present application, Claims 22 and 27 satisfy the written description requirement. As explained above, Claim 15 is directed to a photosensitive composition and has been amended to define the photosensitive composition to contain the

oligomer of formula 5a, while Claim 17 is directed to a corresponding method of forming a polymer optical waveguide pattern using the oligomer of formula 5a. As formula 5a is a generic representation of formula 19 and is supported by the disclosure of formula 19 as described above, Claims 15 and 17 also satisfy the written description requirement.

As newly presented, independent Claim 29 is directed to a photosensitive composition containing the oligomer of formula 15 and Claim 30 is directed to a method of forming a polymer optical waveguide pattern using the oligomer of formula 15. As the photosensitive composition and the associated method of Claims 29 and 30, respectively and, in particular, the oligomer of formula 15 are disclosed by the present application, new Claims 29 and 30 also satisfy the written description requirement. As explained below, Claim 21 is directed to a photosensitive composition and has been amended to define the photosensitive composition to contain the oligomer of formula 5b, while new Claim 28 is directed to a corresponding method of forming a polymer optical waveguide pattern using the oligomer of formula 5b. As formula 5b is a generic representation of formula 15 and is supported by the disclosure of formula 15 as described above, Claims 21 and 28 also satisfy the written description requirement.

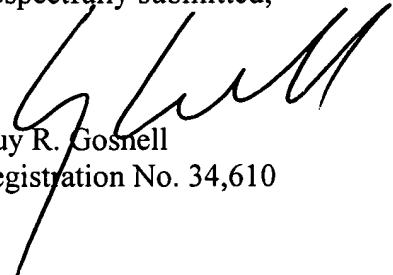
Conclusion

In view of the amendments and remarks made above, Applicants submit that the pending claims are in condition for allowance. Applicants respectfully request that the claims be allowed to issue. If the Examiner wishes to discuss the application or the comments herein, the Examiner is urged to contact the undersigned by telephone.

Appl. No.: 10/803,393
Amdt. dated 07/07/2005
Reply to Office Action of March 7, 2005

It is not believed that extensions of time or fees for net addition of claims are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 CFR § 1.136(a), and any fee required therefore (including fees for net addition of claims) is hereby authorized to be charged to Deposit Account No. 16-0605.

Respectfully submitted,

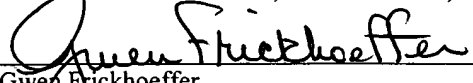


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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 7, 2005



Gwen Frickhoeffer